

CLAIMS

1. An implant device for bone anchored hearing aids of the type which comprises a screw-shaped anchoring element (fixture) (1) for anchorage in the bone tissue, an abutment sleeve (2) for skin penetration and arranged to be connected to the fixture (1) by means of a screw connection (3) and a tool (4) for installing the implant into the bone tissue c h a r a c t e r i z e d i n that the fixture (1) and the abutment sleeve (2) are made as a pre-mounted unit which unit is arranged to be installed in one step by means of said tool (4) which is arranged to cooperate with a tool engaging portion (5) on the abutment sleeve (2).
2. An implant device according to claim 1 c h a r a c t e r i z e d i n that the fixture (1) is a self-tapping fixture and provided with a flange (1b).
3. An implant device according to claim 1 c h a r a c t e r i z e d i n that the tool engaging portion (5) on the abutment sleeve comprises a number of symmetrically arranged recesses or holes (8).
4. An implant device according to claim 3 c h a r a c t e r i z e d i n that the tool (4) is provided with a lower, central protruding portion (15) with a number of peripherally located, in the longitudinal direction of the tool extending spikes (16) which spikes during tightening, insertion of the implant unit, are arranged to cooperate with said holes or recesses (8) on the abutment sleeve (2).
5. An implant device according to claim 1 c h a r a c t e r i z e d i n that the tool (4) comprises a first connecting part (6) for installation of the pre-mounted implant device by means of a machine driver as well as a second connecting part (7) for manual insertion of the im-

plant device.

5 6. An implant device according to claim 1 c h a r a c -
t e r i z e d i n that the tool (4) comprises a resili-
ent ring (9) for cooperation with the edge (10) of the
abutment sleeve in order to provide a lifting function.

10 7. An implant device according to claim 6 c h a r a c -
t e r i z e d i n that the pre-mounted implant device is
delivered steril in a plastic package (11) comprising a
titanium packaging sleeve (12) in order to retain the im-
plant device in a predetermined position in the plastic
package (11), and after the plastic package (11) has been
15 broken before use the implant device is arranged to be se-
parated from the titanium packaging sleeve (12) by means
of said tool (4) and its lifting function.

20 8. An implant device according to claim 7 c h a r a c -
t e r i z e d i n that a sealing ring (18) is arranged
on the cylindrical outer surface of the plastic package
(11) to provide a tightening between the plastic package
and a screw lid (17), said sealing ring (18) being adjus-
table in the longitudinal direction to provide a tighte-
ning even for different positions of the lid (17) on the
25 package.

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